

INTERNATIONAL SEARCH REPORT

PCT/GB 03/02865

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01L31/18 H01L31/107 H01L27/146

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/024058 A1 (BIRCH STEVEN W ET AL) 28 February 2002 (2002-02-28) paragraphs '0110! - '0118!; claims 1-6,13,22; figure 20	1-4,8-24
A	EP 1 220 325 A (FUJITSU QUANTUM DEVICES LTD) 3 July 2002 (2002-07-03) paragraph '0025! - paragraph '0042! paragraph '0078! - paragraph '0086!; figures 3-5,10,13,15,18 ----- -/--	1-3,10, 12-14, 18-20, 23,24



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

27 July 2004

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05/08/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 5 596 186 A (KOBAYASHI KOJI) 21 January 1997 (1997-01-21)</p> <p>column 6, line 66 - column 7, line 31; claims 4,6; figure 1</p>	<p>1,2,10, 12-14, 18-20, 22-24</p>
A	<p>PATENT ABSTRACTS OF JAPAN vol. 0080, no. 78 (E-237), 10 April 1984 (1984-04-10) & JP 58 223382 A (TOKYO SHIBAURA DENKI KK), 24 December 1983 (1983-12-24) abstract</p>	<p>1,5,12</p>

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2002024058	A1	28-02-2002	GB	2367945 A	17-04-2002
			TW	543197 B	21-07-2003
EP 1220325	A	03-07-2002	JP	2002252366 A	06-09-2002
			CA	2365454 A1	19-06-2002
			EP	1220325 A2	03-07-2002
			US	2002113282 A1	22-08-2002
US 5596186	A	21-01-1997	JP	7221341 A	18-08-1995
			JP	3243952 B2	07-01-2002
			JP	7226532 A	22-08-1995
			US	5623108 A	22-04-1997
JP 58223382	A	24-12-1983	NONE		